

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2877	361/42-50.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 08:16
L2	40	1 and (breaker same (GFi))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 08:31
L3	225	1 and (breaker same (GFCI))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 08:31
L4	18	3 and (current adj sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 08:32
L5	20	("3585452"   "3723813"   "3848159"   "4216515"   "4268885"   "5270897"   "5309310"   "5381294"   "5416692"   "5420740"   "5490030"   "5666255"   "5793587"   "5825599"   "5835322"   "6031699"   "6084758"   "6111732"   "6359761"   "6522033").PN. OR ("6731482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 08:45
L6	7	1 and sensor and rectif\$4 and numerical and fault	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 08:46
S1	2	("4947126").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/27 10:36

## EAST Search History

S2	2	("5905615").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/27 10:45
S3	2	("4752853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/27 10:45
S6	47	("3590326"   "3818275"   "4219860"   "4245318"   "4331997"   "4351012"   "4351013"   "4377836"   "4442472"   "4476511").PN. OR ("4752853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 13:16

# EAST Search History

S7	226	("20010010032"   "20010032025"   "20010044588"   "20010048354"   "20010055965"   "20020010518"   "20020032535"   "20020034086"   "20020045992"   "20020059401"   "20020063635"   "20020064010"   "20020091949"   "20020094799"   "20020107615"   "20020108065"   "20020109722"   "20020111980"   "20020116092"   "20020124011"   "20020146076"   "20020146083"   "20020147503"   "20020159402"   "20020162014"   "20020163918"   "20020165677"   "20020181174"   "20020193888"   "20030043785"   "3772505"   "3938007"   "3956671"   "3963964"   "4001742"   "4245318"   "4291299"   "4301433"   "4311919"   "4415968"   "4423459"   "4432031"   "4455612"   "4468714"   "4589074"   "4623949"   "4631625"   "4642724"   "4652966"   "4672501"   "4672555"   "4674062"   "4689712"   "4709339"   "4751653"   "4752853"   "4754407"   "4777607"   "4783748"   "4796027"   "4833592"   "4849848"   "4855671"   "4862308"   "4964058"   "4979122"   "4983955"   "4996646"   "5053735"   "5060166"   "5101191"   "5134691"   "5136458"   "5162664"   "5166887"   "5170310"   "5170360"   "5179376"   "5182547"   "5185705"   "5196831"   "5214560"   "5216621"   "5225994"   "5231565"   "5237511"   "5247454"   "5253159"   "5272438"   "5301121"   "5305174"   "5311392"   "5323307"   "5353188"   "5361184"   "5367427"   "5369356"   "5381554"   "5384712"   "5402299"   "5406495"   "5414635"   "5420799"   "5422778"   "5440441"   "5451879"   "5487016"   "5490086"   "5493468"   "5530738"   "5534782"   "5534833"   "5537327"   "5544065"   "5559719").PN. OR ("5560022"   "5576625"   "5581471"   "5587917"   "5596473"   "5600527"   "5608646"   "5613798"   "5619392"   "5627716"   "5627717"   "5627718"   "5629825"   "5631798"   "5638296"   "5650936"   "5661658"   "5666256"   "5670923"   "5694329"   "5696695"   "5719738"   "5734576"   "5736847"   "5737731"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 13:32
12/11/2006 8:55:42 AM		C:\Documents and Settings\Carriya\My Documents\EAST Workspaces\10791731.wsp	Page 3			

## EAST Search History

S8	19	("4715000"   "4723216"   "5514978"   "5786708"   "5809045").PN. OR ("6141196").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 14:18
S10	439	(307/139).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/27 15:06
S11	1	(circuit adj breaker) same (current adj sensor) same detect\$4 same recti\$4 same (numerical adj process\$4) same multiplication	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 15:09
S12	1	(circuit adj breaker) same (current adj sensor) same detect\$4 same recti\$4 same (numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 15:10
S13	1	(circuit adj breaker) and (current adj sensor) same detect\$4 same recti\$4 same (numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 15:10
S14	1	(circuit adj breaker) and (current adj sensor) and detect\$4 same recti\$4 same (numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 15:10
S15	1	(circuit adj breaker) and (current adj sensor) and detect\$4 and recti\$4 same (numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 16:08
S16	1	(circuit adj breaker) and (current adj sensor) and detect\$4 and recti\$4 and (numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 15:11
S17	1278	(numerical adj process\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 16:08
S18	55	S17 same multiplication	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 16:09
S19	1	S18 same sensor same rectif\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/27 16:09
S20	3	("4631625"   "4752853"   "5270898").PN. OR ("5483408").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:10

## EAST Search History

S21	26	("4149210"   "4347541").PN. OR ("4442472").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 09:09
S22	189	("4038695"   "4219860"   "4266259"   "4347541"   "4423459"   "4442472"   "4476511").PN. OR ("4589052").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 11:21
S23	12	("3887867"   "4121269"   "4234900"   "4631625"   "4758919"   "4761704").PN. OR ("4947126").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:14
S24	18	("3786311"   "3887867"   "4121269"   "4234900"   "4258403"   "4380785"   "4443828"   "4631625"   "4758919"   "4761704"   "4853819"   "4939615"   "4947126"   "5095398").PN. OR ("5195009").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 13:07
S25	15	("3924160"   "4060844"   "4209818"   "4258403"   "4347540"   "4649455"   "Re31147").PN. OR ("4761704").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 13:36
S26	9	COLOMBO-SEVERINO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 13:37
S27	2	GABELLO-ANTONIO-MARIA	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 14:51
S28	3	(low adj voltage) same (circuit adj braker)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:09
S29	1	(circuit adj braker) same (pole phase) same (ground adj fault)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:08
S30	845	(circuit adj breaker) same (pole phase) same (ground adj fault)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:09
S31	2716	(low adj voltage) same (circuit adj breaker)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:09

## EAST Search History

S32	51	S31 same (pole phase) same (ground adj fault)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:09
S33	2	S32 same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/28 16:10
S34	17	("3373350"   "3532967"   "3646438").PN. OR ("4105965"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 16:33
S35	50	("5598315" "4479101" "4587588" "4600908" RE32279 "4862313" "5430419" "5596472" "5680081" "5774319" "4266258" "4370692" "4375022" "4511775" "5184100" "5373272" "5428328" "5524083" "5668692" "5956218" "6087914" "4263572" "4266259" "4276527" "4284968" "4292611" "4358810" "4387356" "4442472" "4446498" "4611188" "4611174" "4947284" "4947122" "5185590" "5245498" "5305174" "5331301" "5353188" "5363076" "5402299" "5539167" "5627717" "5644461" "5808327" "5844188" "5894260" "5933303" "6005393" "6084489").pn.	US-PGPUB; USPAT	OR	ON	2006/07/28 16:43
S36	1	("4652841").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/28 16:43
S37	27	("4276510"   "4423459"   "4589052"   "4680706"   "4741002"   "4899103"   "4914383").PN. OR ("5627717").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 16:56
S38	31	("4017766"   "4103317"   "4180842"   "4219858"   "4219860"   "4241410"   "4275445"   "4291355"   "4305108"   "4327391").PN. OR ("4446498").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 08:47
S41	128	(numerical adj processing) same multipl\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 08:50
S42	14	S41 same (pole phase)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 10:12

## EAST Search History

S43	1113	361/23.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 08:58
S46	0	S43 and (numerical adj processing)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 08:59
S47	69	S43 and sensor same (detection polarity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 09:00
S48	31	S47 and rectif\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 09:00
S49	12	S48 and multipl\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 09:23
S51	8	S43 and breaker same (ground adj fault)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 09:24
S52	7	(US-4752853-\$ or US-5483408-\$ or US-4442472-\$ or US-4916573-\$ or US-4827369-\$ or US-4589052-\$ or US-4761704-\$).did.	USPAT	OR	ON	2006/07/31 11:05
S53	1	S41 same (pole phase) same breaker	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 10:12
S54	2693	pole same sign same current	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:06
S55	48	S54 same trip	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:06
S56	12	S55 same breaker	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:07
S57	255514	phase same current	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:08

## EAST Search History

S58	418	S57 same trip same breaker same (ground adj fault)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:08
S59	2	S58 same numerical	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/31 11:08